

Vinnitsia National Pirogov Medical University
Department of Surgical Dentistry and Maxillofacial Surgery

«APPROVED»

Vice-rector for scientific and pedagogical
(educational) work

Prof. Y.Y. Guminskiy

«27» 08 2020 y.

«AGREED»

Head of the Department of Surgical
Dentistry and Maxillofacial Surgery

Prof. S.M. Shuvalov

«27» 08 2020 y.

SYLLABUS OF THE COURSE

ONCOLOGY

training of specialists of the second (master's) level of higher education

qualification of educational "Master of Dentistry"

qualification of professional "Dentist"

areas of knowledge 22 "Health care"

specialty 222 "Dentistry"

2020 – 2021 academic year

1. Course annotation:

Semester (s) - 7

The volume of the module for the 7th semester: the total number of hours - 30 of them lectures - 4, practical classes - 16, independent work - 10, ECTS credits – 1,0

In the general system of training a dentist, oncology is one of the main disciplines. The main task of the oncology course is to teach students the methods of examination of the patient, diagnosis and treatment of tumors of the maxillofacial area, organizational measures to prevent the disease. According to the curriculum, the study of oncology is carried out for 4 years of study, and includes lectures and practical classes on oncological surgical pathology of the maxillofacial area. During the analysis of individual diseases should address the issues of pathogenesis, clinical picture, diagnosis, treatment, prevention, medical, social and occupational rehabilitation.

Lectures on oncology cover problematic issues of etiology and pathogenesis of surgical diseases, their clinic, treatment, prevention, taking into account modern advances in medicine, based on the theory of the integrity of the organism and its inseparable connection with the environment.

The organization of the educational process is carried out according to the credit-transfer system. The amount of student workload is described in ECTS credits - credit credits, which are credited to students upon successful completion of the module (credit).

The program of the discipline is structured in 1 module, which includes 1 content module, 1 differential test. The credit transfer system of the educational process encourages students to study systematically during the academic year.

Types of classes according to the curriculum are lectures, practical classes, independent work of students.

The topics of the lecture course reveal the problematic issues of the relevant section of surgical dentistry.

Practical classes according to the method of their organization are clinical, because they provide:

- Curation of patients with oncological surgical pathology of the maxillofacial area (and in their absence in the clinic - analysis of clinical situational tasks or archival case histories): collection of general and professional history, examination;
- Justification of the preliminary diagnosis;
- Drawing up a plan for additional examination of the patient and interpretation of laboratory and auxiliary research methods;
- Carrying out a differential diagnosis and substantiation of a clinical diagnosis;
- Drawing up a scheme of rational treatment;

Assimilation of the topic is controlled in practical classes in accordance with specific objectives, assimilation of content modules - in practical final classes. The following means of diagnosing the level of preparation of students are used: tests, solving situational problems, filling out workbooks, evaluation of data on sanitary and hygienic characteristics of working conditions. Interpretation of laboratory tests and interpretation and evaluation of their results, analysis and evaluation of the results of instrumental studies and parameters that characterize the functions of the human body, its systems and organs; control of practical skills.

The final control of mastering the module is carried out after its completion. Assessment of student achievement in the discipline is a rating and is set on a multi-point scale and is determined by the ECTS system and the scale adopted in Ukraine.

2. Prerequisites and postrequisites of the discipline

Prerequisite - anatomy, as a fundamental basis of the structure of the dental system; histology as a science of histological structure of facial tissues; biochemistry, microbiology, pharmacology, physiology, pathophysiology, pathological anatomy.

Postrequisite - modern surgical dentistry forms the basis of in-depth study by masters of the following specialized disciplines of clinical profile - therapeutic dentistry, pediatric dentistry, orthopedic dentistry.

3. The purpose of the course: acquisition of theoretical knowledge and practical skills in the diagnosis of occupational diseases in the study of the discipline "surgical dentistry"

4. Learning outcomes of the discipline:

know: clinic, diagnosis, treatment, prevention of surgical diseases of the maxillofacial area

be able to: diagnose surgical disease of the thyroid gland on the basis of a set of survey data

able to demonstrate: knowledge and practical skills in the discipline

have the skills: methods of examination of the patient

decide on one's own: the question of creating a plan for examination of the patient

5. CONTENT OF THE DISCIPLINE

Subjects of practical employment for the students of 4 courses (7 semester)

№	The name of a theme of practical employment	Hours
1.	Classroom work Methods of inspection of patients with tumors and premalignancies of maxillofacial area.	2
	Home work Cancer of lip, tongue, esophagus, stomach, pancreas, colon and rectum: complaints, anamnesis; visual inspection of the patient, palpation of peripheral lymph nodes, superficial and deep palpation of abdominal organs, manual rectum examination, technique of rectoromanoscopy and coloscopy, technique of esophagogastrosocopy.	2
2.	Classroom work Premalignancy of face and oral cavity. Classification. Clinic, diagnostics and treatment.	2
	Home work Cancer of lungs, tumors of mediastinum, lymphogranulomatosis: complaints, anamnesis; visual inspection of the patient, palpation of chest regional lymph nodes, auscultation and percussion of lungs to reveal the disordes of bronchial passability and presence of free fluid in pleural cavity; technique of bronchoscopy and pleural puncture.	1
3.	Classroom work Malignant tumors of facial skin: basale-cell and squamous-cell cancer, malignant melanoma, fibrosarkoma. Morphological features. Clinic, diagnostics and treatment.	2
	Home work Cancer of breast and thyroid gland, cancer of skin, melanoma: complaints, anamnesis; visual inspection of the patient, palpation of breast and thyroid gland and regional lymph nodes; puncture aspiration biopsy of breast and thyroid tumors. Dermatoscopy, biopsy of skin, getting smear from the tumor.	1
4.	Classroom work Malignant tumors of organs of oral cavity. Cancer of lip, tongue, cheek, mucous membrane of oral cavity. Morphological features. Clinic, diagnostics and treatment.	2
	Home work Cancer of the body, cervix of uterus, ovaries: complaints, anamnesis; visual inspection of the	1

	patient, palpation of regional lymph nodes, bimanual investigation.	
5.	Classroom work Malignant tumors of jaws: cancer and sarcoma of maxilla and mandible. Morphological features. Clinic, diagnostics and treatment.	2
	Home work Cancer of kidney, ureter, bladder, prostate: complaints, anamnesis; visual inspection of the patient, bimanual investigation, getting smear from the genitals, technique of cystoscopy.	1
6.	Classroom work Methods of operations on jaws by tumors and tumor-like lesions. Operations on the ways of regional metastasing.	2
	Home work Supervision of patients for determination of tactics of examination and management of patients with common oncologic diseases.	2
7.	Classroom work Final control.	2
	Home work Preparation for the final control.	2
8.	Classroom work Credit.	2
	Classroom work	16
	Independent work	10
	Lectures	4
	At all.	30

Topic of lectures for medical faculties (7 semester)

№	Topic of lectures	Duration	Lector
1	Organization of cancer care for the population. General principles of diagnosis and treatment of patients with precancerous diseases and tumors of the face, oral cavity, neck.	2,0	Prof. Shuvalov S.M
2	Cancer of the mucous membrane of the upper and lower jaws. Clinic, diagnosis and treatment.	2,0	Prof. Shuvalov S.M

List of topics for independent work of students (7 semestr) 4th course in the study of oncology

Name topics	Number of hours
Cancer of lip, tongue, esophagus, stomach, pancreas, colon and rectum: complaints, anamnesis; visual inspection of the patient, palpation of peripheral lymph nodes, superficial and deep palpation of abdominal organs, manual rectum examination, technique of rectoromanoscopy and coloscopy, technique of esophagogastrosocopy.	2
Cancer of lungs, tumors of mediastinum, lymphogranulomatosis: complaints, anamnesis; visual inspection of the patient, palpation of chest regional lymph nodes, auscultation and percussion of lungs to reveal the disordres of bronchial passability and presence of free fluid in pleural cavity; technique of bronchoscopy and pleural puncture.	1
Cancer of breast and thyroid gland, cancer of skin, melanoma: complaints, anamnesis; visual inspection of the patient, palpation of breast and thyroid gland and regional lymph nodes; puncture aspiration biopsy of breast and thyroid tumors. Dermatoscopy, biopsy of skin, getting smear from the tumor.	1
Cancer of the body, cervix of uterus, ovaries: complaints, anamnesis; visual inspection of the patient, palpation of regional lymph nodes, bimanual investigation.	1
Cancer of kidney, ureter, bladder, prostate: complaints, anamnesis; visual inspection of the patient, bimanual investigation, getting smear from the genitals, technique of cystoscopy.	1

Supervision of patients for determination of tactics of examination and management of patients with common oncologic diseases.	2
Preparation for the final control.	2
At all	10

**List of questions for the final control in the discipline of "oncology"
for 4th year students of the dental faculty (7 semestr)**

1. Organization of treatment and dispensary for the patients with the tumors of face and neck.
2. Classification of tumors of maxillo-facial region.
3. TNM classification of malignant tumors of face and neck.
4. Main methods of diagnostics of tumors in maxillo-facial region.
5. Additional methods of diagnostics of tumors in maxillo-facial region.
6. Types of morphologic investigation for tumors in maxillo-facial region. Biopsy.
7. Levels of diagnostics of tumors in maxillo-facial region.
8. Oncologic precaution. Syndrome of small signs of A.I.Savitsky.
9. Factors, which promote appearance of premalignancy.
10. Facultative premalignancy of maxillo-facial area. Classification. Clinical signs. Diagnostics. Treatment.
11. Obligatory premalignancy of maxillo-facial area. Classification. Clinical signs. Diagnostics. Treatment.
12. Differential diagnostics of benign and malignant tumors of maxillo-facial region.
13. Malignant tumors of facial skin: basale-cell carcinoma. Morphologic features. Clinical signs. Diagnostics and treatment.
14. Malignant tumors of facial skin: squamous-cell carcinoma. Morphologic features. Clinical signs. Diagnostics and treatment.
15. Differential diagnostics of basale-cell and squamous-cell carcinoma of facial skin.
16. Malignant tumors of facial skin: malignant melanoma. Morphologic features. Clinical signs. Diagnostics and treatment.
17. Malignant tumors of facial skin: fibrosarcoma. Morphologic features. Clinical signs. Diagnostics and treatment.
18. Cancer of lip. TNM. Clinical signs. Diagnostics. Pathological anatomy. Treatment.
19. Cancer of tongue. TNM. Clinical signs. Diagnostics. Pathological anatomy. Treatment.
20. Malignant tumors of organs of oral cavity. Cancer of cheek. Morphologic features. Clinical signs. Diagnostics and treatment.
21. Cancer of mucous membrane of oral cavity. TNM. Clinical signs. Diagnostics. Pathological anatomy. Treatment.
22. Malignant tumors of organs of oral cavity. Cancer of floor of the mouth. Morphologic features. Clinical signs. Diagnostics and treatment.
23. Malignant tumors of salivary glands: mucoepidermoid tumor. Clinical signs. Diagnostics. Pathological anatomy. Treatment.
24. Malignant tumors of salivary glands: cylindroma. Clinical signs. Diagnostics. Pathological anatomy. Treatment.
25. Malignant tumors of salivary glands: mucoepidermoid tumor. Clinical signs. Diagnostics. Pathological anatomy. Treatment.
26. Malignant tumors of salivary glands: cylindroma. Clinical signs. Diagnostics. Pathological anatomy. Treatment.
27. Malignant tumors of salivary glands: carcinoma. Clinical signs. Diagnostics. Pathological anatomy. Treatment.
28. Malignant tumors of salivary glands: sarcoma. Clinical signs. Diagnostics. Pathological anatomy. Treatment.
29. Sarcoma of maxillo-facial region. Clinical signs. Diagnostics. Pathological anatomy. Treatment.
30. Cancer of mucous membrane of mandible. Clinical signs. Diagnostics. Pathological anatomy. Treatment.
31. Cancer of mucous membrane of maxilla. Clinical signs. Diagnostics. Pathological anatomy. Treatment.
32. Main principles of surgical treatment of malignant tumors of maxillo-facial area.
33. Intensive therapy of malignant tumors of maxillo-facial area.
34. Operations on ways of regional metastasing of malignant tumors of maxillo-facial area. Wanah operation and upper cervical excision.
35. Operations on ways of regional metastasing of malignant tumors of maxillo-facial area. Krile operation and fascial excision.
36. Methods of operations on jaws in patients with malignant tumors.
37. Indications for radiotherapy in patients with malignant tumors.
38. Indications for chemotherapy in patients with malignant tumors.
39. Sequence of radiotherapy in patients with malignant tumors.
40. Sequence of chemotherapy in patients with malignant tumors.
41. Peculiarities of postoperative flow and care of oncostomatological patients. Control of breathing, cardiac work.
42. Peculiarities of postoperative flow and care of oncostomatological patients. Peculiarities of feeding.
43. Peculiarities of postoperative flow and care of oncostomatological patients. Care of tracheostoma.

44. Medical rehabilitation of patients with tumors of face, organs of oral cavity. Plastic closure of defects, dental prosthetics.
45. Medical rehabilitation of patients with tumors of jaws and neck. Plastic closure of defects, jaw prosthetics.

6. Types of training sessions: lecture, video lecture, practical lesson, consultation.

7. Form of study: full-time education.

8. Methods of study: verbal, explanatory and demonstration.

9. Control methods: oral, written, test.

10. Forms of final control: final control (exam, differential control and credit)

11. Tools for diagnosing learning success: questions for current control, tasks, tests.

12. Language of instruction: english.

13. Value system of student's academic performance in surgical dentistry

Topic	Maximum of scores
Intensional module	$4 \times 20 = 80$
Individual task	-
Credit	120
General	200

notes: „5” – 20 scores, „4” – 17 scores, „3” – 13 scores, „2” – 0 scores.

General estimation criteria of finale module control

Final test control – 20 questions (20 minets). Every true answer – 2 scores.

Criteria of estimation for discipline (subject):

„5”A – 180-200 scores, „4”B – 170-179 scores, „4”C – 160-169 scores, „3”D – 141-159 scores, „3”E – 122-140 scores, „2”FX – 72-121 scores, „2”F – 1-71 scores

Compliance with the scales for assessing the quality of learning material

The grade in the discipline "Surgical Dentistry" is set on a 200-point scale and is defined as the sum of grades of current educational activities in points (maximum number of points - 80) and grades of final control (maximum number of points - 120). **Credits are credited for the studied discipline provided that the student accumulates 122 points** (which corresponds to the minimum value of the E grade on the ECTS Scale).

Assessment of knowledge in the discipline is carried out taking into account the relevant scales:

Score in points	Score on a national scale	ECTS Scale	
		Score	Explanation
180 – 200	Perfectly	A	Perfectly (excellent performance with only a small number of inaccuracies)
170 – 179	Good	B	Very good (above average with a few minor errors)
160 – 169		C	Good (generally correct execution with a small number of significant errors)
141 – 159	Satisfactorily	D	Satisfactorily (not bad, but with a significant number of shortcomings)
122 – 140		E	Enough (performance meets

			minimum criteria)
	Unsatisfactorily	FX	Unsatisfactorily (with the possibility of re-assembly)
		F	Unsatisfactorily (with mandatory re-study of the discipline)

Upon receiving an unsatisfactory grade in the discipline within 72-121 points (FX), the student has the right to retake it: once to the departmental commission with the participation of the head of the department, the last time - the commission with the participation of the head of the department and the dean's office.

Upon receiving an unsatisfactory grade in the discipline within 1-71 points (F), the student is obliged to re-study it. The decision is made by the management of NMU in accordance with the regulations approved in the prescribed manner.

14. Course policy

The policy of the course is carried out according to the Law "On Higher Education" from 01.07.2014 № 1556-VII; Charter of VNMU. MI Pirogov, Rules of Procedure of VNMU, Regulations on the organization of the educational process in VNMU. MI Pirogov, the Code of Academic Integrity, Security Regulations on the procedure for training and testing of knowledge

15. List of educational and methodical literature

1. Peterson's Principles Of Oral & Maxillofacial Surgery, Third Edition - 2 Vol. Set (Hb) 2011
2. Atlas of Oral and Maxillofacial Surgery (Deepak Kademani, Paul Tiwana) 2015
3. Contemporary Oral and Maxillofacial Surgery (James R. Hupp DMD MD JD MBA, Myron R. Tucker DDS, Edward Ellis III DDS MS) 2018
4. Oral and Maxillofacial Surgery Review: A Study Guide (Perfect for Board Review) (Inglés) Tapa blanda – 9 Julio 2015 (Din Lam, Daniel Laskin)
5. Oral and Maxillofacial Surgery Secrets (A. Omar Abubaker DMD PhD, Din Lam DMD MD) 2015
6. Oral Surgery for Dental Students: A Quick Reference Guide 1st Edition, (Jeffrey A. Elo, Alan S. Herford) 2019
7. Surgical Approaches to the Facial Skeleton (Edward Ellis III DDS, Michael F. Zide DDS) 2018

Information resources

Website of the department –

<http://www.vnmdu.edu.ua/%D0%BA%D0%B0%D1%84%D0%B5%D0%B4%D1%80%D0%B0-%D1%85%D1%96%D1%80%D1%83%D1%80%D0%B3%D1%96%D1%87%D0%BD%D0%BE%D1%97-%D1%81%D1%82%D0%BE%D0%BC%D0%B0%D1%82%D0%BE%D0%BB%D0%BE%D0%B3%D1%96%D1%97>

Library website – <http://library.vsmu.edu.ua/>

Email address of departments – surg.stom@vnmdu.edu.ua

Discussed and recommended at a meeting of the Department of Surgical Dentistry and Maxillofacial Surgery VNMU. M.I. Pirogov Protocol № 1 dated 27 August 2020

Head of the Department of Surgical Dentistry Shuvalov S.M. Prof. Shuvalov S.M.
and maxillofacial surgery signature surname and initials

Lecturer of the Department of Surgical Dentistry Polishchuk S. S. ass. prof. Polishchuk S. S.
and maxillofacial surgery signature surname and initials